

§ 99.45

32°35'N; 118°30'W; 33°05'N; 119°45'W;
33°55'N; 120°40'W; 34°50'N; 121°10'W;
38°50'N; 124°00'W; 40°00'N; 124°35'W;
40°25'N; 124°40'W; 42°50'N; 124°50'W;
46°15'N; 124°30'W; 48°30'N; 125°00'W;
48°20'N; 128°00'W; 48°20'N; 132°00'W;
37°42'N; 130°40'W; 29°00'N; 124°00'W;
30°45'N; 120°50'W; 32°00'N; 118°24'W;
32°30'N; 117°20'W; 32°32'03"N; 117°07'25"W;
eastward along the U.S./Mexico border
to 25°58'N, 97°07'W; 26°00'N; 97°00'W;
26°00'N; 95°00'W; 26°30'N; 95°00'W; then
via 26°30'N; parallel to 26°30'N; 84°00'W;
24°00'N; 83°00'W; then Via 24°00'N; par-
allel to 24°00'N; 79°25'W; 25°40'N; 79°25'W;
27°30'N; 78°50'W; 30°45'N; 74°00'W; 39°30'N;
63°45'W; 43°00'N; 65°48'W; to point of be-
ginning.

[Doc. No. FAA-2001-10693, 66 FR 49822, Sept.
28, 2001. Redesignated at 69 FR 16756, Mar. 30,
2004]

§ 99.45 Alaska ADIZ.

The area is bounded by a line from
54°00'N; 136°00'W; 56°57'N; 144°00'W;
57°00'N; 145°00'W; 53°00'N; 158°00'W;
50°00'N; 169°00'W; 50°00'N; 180°00'; 50°00'N;
170°00'E; 53°00'N; 170°00'E; 60°00'00"N;
180°00'; 65°00'N; 169°00'W; then along
169°00'W; to 75°00'N; 169°00'W; then along
the 75°00'N; parallel to 75°00'N, 141°00'W;
69°50'N; 141°00'W 71°18'N; 156°44'W;
68°40'N; 167°10'W; 67°00'N; 165°00'W;
65°40'N; 168°15'W; 63°45'N; 165°30'W;
61°20'N; 166°40'W; 59°00'N; 163°00'W; then
south along 163°00'W to 54°00'N,
163°00'W; 56°30'N; 154°00'W; 59°20'N;
146°00'W; 59°30'N; 140°00'W; 57°00'N;
136°00'W; 54°35'N, 133°00'W; to point of
beginning.

[Doc. No. FAA-2001-10693, 66 FR 49822, Sept.
28, 2001. Redesignated at 69 FR 16756, Mar. 30,
2004]

§ 99.47 Guam ADIZ.

(a) *Inner boundary.* From a point
13°52'07" N, 143°59'16" E, counter-
clockwise along the 50-nautical-mile
radius arc of the NIMITZ VORTAC (lo-
cated at 13°27'11" N, 144°43'51" E); to a
point 13°02'08" N, 145°28'17" E; then to a
point 14°49'07" N, 146°13'58" E; counter-
clockwise along the 35-nautical-mile
radius arc of the SAIPAN NDB (located
at 15°06'46" N, 145°42'42" E); to a point
15°24'21" N, 145°11'21" E; then to the
point of origin.

(b) *Outer boundary.* The area bounded
by a circle with a radius of 250 NM cen-

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tered at latitude 13°32'41" N, longitude
144°50'30" E.

[Doc. No. 25113, 53 FR 18217, May 20, 1988. Re-
designated at 69 FR 16756, Mar. 30, 2004]

§ 99.49 Hawaii ADIZ.

(a) *Outer boundary.* The area included
in the irregular octagonal figure
formed by a line connecting 26°30' N,
156°00' W; 26°30' N, 161°00' W; 24°00' N,
164°00' W; 20°00' N, 164°00' W; 17°00' N,
160°00' W; 17°00' N, 156°00' W; 20°00' N,
153°00' W; 22°00' N, 153°00' W; to point of
beginning.

(b) *Inner boundary.* The inner bound-
ary to follow a line connecting 22°30' N,
157°00' W; 22°30' N, 160°00' W; 22°00' N,
161°00' W; 21°00' N, 161°00' W; 20°00' N,
160°00' W; 20°00' N, 156°30' W; 21°00' N,
155°30' W; to point of beginning.

[Doc. No. 25113, 53 FR 18217, May 20, 1988. Re-
designated at 69 FR 16756, Mar. 30, 2004]

PART 101—MOORED BALLOONS, KITES, AMATEUR ROCKETS AND UNMANNED FREE BALLOONS

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AUTHORITY: 49 U.S.C. 106(g), 40103, 40113–40114, 45302, 44502, 44514, 44701–44702, 44721, 46308.

Subpart A—General

§ 101.1 Applicability.

(a) This part prescribes rules governing the operation in the United States, of the following:

(1) Except as provided for in §101.7, any balloon that is moored to the surface of the earth or an object thereon and that has a diameter of more than 6 feet or a gas capacity of more than 115 cubic feet.

(2) Except as provided for in §101.7, any kite that weighs more than 5 pounds and is intended to be flown at the end of a rope or cable.

(3) Any amateur rocket except aerial fireworks displays.

(4) Except as provided for in §101.7, any unmanned free balloon that—

(i) Carries a payload package that weighs more than four pounds and has a weight/size ratio of more than three ounces per square inch on any surface of the package, determined by dividing the total weight in ounces of the payload package by the area in square inches of its smallest surface;

(ii) Carries a payload package that weighs more than six pounds;

(iii) Carries a payload, of two or more packages, that weighs more than 12 pounds; or

(iv) Uses a rope or other device for suspension of the payload that requires an impact force of more than 50 pounds to separate the suspended payload from the balloon.

(b) For the purposes of this part, a *gyroglider* attached to a vehicle on the surface of the earth is considered to be a kite.

[Doc. No. 1580, 28 FR 6721, June 29, 1963, as amended by Amdt. 101–1, 29 FR 46, Jan. 3, 1964; Amdt. 101–3, 35 FR 8213, May 26, 1970; Amdt. 101–8, 73 FR 73781, Dec. 4, 2008; 74 FR 38092, July 31, 2009]

§ 101.3 Waivers.

No person may conduct operations that require a deviation from this part except under a certificate of waiver issued by the Administrator.

[Doc. No. 1580, 28 FR 6721, June 29, 1963]

§ 101.5 Operations in prohibited or restricted areas.

No person may operate a moored balloon, kite, amateur rocket, or unmanned free balloon in a prohibited or restricted area unless he has permission from the using or controlling agency, as appropriate.

[Doc. No. 1457, 29 FR 46, Jan. 3, 1964, as amended at 74 FR 38092, July 31, 2009]

§ 101.7 Hazardous operations.

(a) No person may operate any moored balloon, kite, amateur rocket, or unmanned free balloon in a manner that creates a hazard to other persons, or their property.

(b) No person operating any moored balloon, kite, amateur rocket, or unmanned free balloon may allow an object to be dropped therefrom, if such action creates a hazard to other persons or their property.

(Sec. 6(c), Department of Transportation Act (49 U.S.C. 1655(c)))

[Doc. No. 12800, 39 FR 22252, June 21, 1974, as amended at 74 FR 38092, July 31, 2009]

Subpart B—Moored Balloons and Kites

SOURCE: Docket No. 1580, 28 FR 6722, June 29, 1963, unless otherwise noted.

§ 101.11 Applicability.

This subpart applies to the operation of moored balloons and kites. However, a person operating a moored balloon or kite within a restricted area must comply only with §101.19 and with additional limitations imposed by the using or controlling agency, as appropriate.

§ 101.13 Operating limitations.

(a) Except as provided in paragraph (b) of this section, no person may operate a moored balloon or kite—

(1) Less than 500 feet from the base of any cloud;

(2) More than 500 feet above the surface of the earth;

(3) From an area where the ground visibility is less than three miles; or

(4) Within five miles of the boundary of any airport.

(b) Paragraph (a) of this section does not apply to the operation of a balloon